

Title (en)
DI-ISOPROPYL-PHOSPHINOYL-ALKANE (DAPA) COMPOUNDS AS TOPICAL AGENTS FOR THE TREATMENT OF SENSORY DISCOMFORT

Title (de)
DI-ISOPROPYL-PHOSPHINOYL-ALKAN (DAPA)-VERBINDUNGEN ALS TOPISCHES MITTEL ZUR BEHANDLUNG VON SENSORISCHEN BESCHWERDEN

Title (fr)
COMPOSÉS DI-ISOPROPYL-PHOSPHINOYL-ALCANES (DAPA) EN TANT QU'AGENTS TOPIQUES POUR LE TRAITEMENT D'UNE GÊNE SENSORIELLE

Publication
EP 3060569 B1 20201202 (EN)

Application
EP 13783630 A 20131022

Priority
GB 2013052750 W 20131022

Abstract (en)
[origin: WO2015059432A1] The present invention pertains generally to the field of therapeutic compounds. More specifically the present invention pertains to certain di-isopropyl-phosphinoyl- alkanes as described herein (DIPA-1-6, DIPA-1-7, DIPA-1-8, and DIPA-1-9, collectively referred to herein as "DIPA compounds") that are useful, for example, in the treatment of disorders (e.g., diseases) including: sensory discomfort (e.g., caused by irritation, itch, or pain); a skin dysesthesia; dermatitis; psoriasis; ocular discomfort; heat discomfort; heat stress; flushing and/or night sweats (vasomotor symptoms) in post-menopausal women; post-operative hypothermia; post-anaesthetic shivering; fatigue; tiredness; depression; cognitive dysfunction; and to enhance cognitive function. The present invention also pertains to pharmaceutical compositions comprising such compounds, and the use of such compounds and compositions, for example, in therapy.

IPC 8 full level
A61K 31/66 (2006.01); **C07F 9/53** (2006.01)

CPC (source: EP KR US)
A61K 9/0014 (2013.01 - US); **A61K 31/66** (2013.01 - EP US); **A61K 31/662** (2013.01 - KR); **A61K 49/00** (2013.01 - US); **A61P 1/04** (2017.12 - EP); **A61P 3/02** (2017.12 - EP); **A61P 11/02** (2017.12 - EP); **A61P 11/04** (2017.12 - EP); **A61P 11/14** (2017.12 - EP); **A61P 15/00** (2017.12 - EP); **A61P 17/00** (2017.12 - EP KR); **A61P 17/06** (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 25/14** (2017.12 - EP); **A61P 25/24** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 27/02** (2017.12 - EP); **C07F 9/46** (2013.01 - KR); **C07F 9/5304** (2013.01 - EP US); **C07F 9/532** (2013.01 - EP US)

Citation (examination)
• JEE MYUNG YANG ET AL: "A novel TRPM8 agonist relieves dry eye discomfort", BMC OPHTHALMOLOGY, vol. 17, no. 1, 26 June 2017 (2017-06-26), XP055604373, DOI: 10.1186/s12886-017-0495-2
• D. A. ANDERSSON ET AL: "Modulation of the Cold-Activated Channel TRPM8 by Lysophospholipids and Polyunsaturated Fatty Acids", THE JOURNAL OF NEUROSCIENCE, vol. 27, no. 12, 21 March 2007 (2007-03-21), US, pages 3347 - 3355, XP055651702, ISSN: 0270-6474, DOI: 10.1523/JNEUROSCI.4846-06.2007

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015059432 A1 20150430; AU 2013403622 A1 20160609; AU 2013403622 B2 20190516; CA 2959231 A1 20150430; CA 2959231 C 20220621; EP 3060569 A1 20160831; EP 3060569 B1 20201202; EP 3060569 B8 20211124; ES 2856892 T3 20210928; JP 2016535742 A 20161117; JP 6352413 B2 20180704; KR 102026400 B1 20190927; KR 20160085696 A 20160718; PH 12016500715 A1 20160530; PH 12016500715 B1 20160530; US 10195217 B2 20190205; US 2015164924 A1 20150618

DOCDB simple family (application)
GB 2013052750 W 20131022; AU 2013403622 A 20131022; CA 2959231 A 20131022; EP 13783630 A 20131022; ES 13783630 T 20131022; JP 2016526193 A 20131022; KR 20157010425 A 20131022; PH 12016500715 A 20160415; US 201414544355 A 20141229